

CLAIMS

1. An anti-reflection film for a plasma display, comprising:
  - a transparent substrate film,
  - an anti-reflection layer provided on one surface of the transparent substrate film, and
  - an unwanted light shielding layer provided on the other surface of the transparent substrate film,
    - the unwanted light shielding layer containing a transparent resin and a coloring agent for color tone correction that absorbs light with specific wavelengths originating from the emission spectrum of an insert gas of a plasma display and/or a near infrared rays absorbing agent that absorbs near infrared rays, contained in the transparent resin.
2. The anti-reflection film for a plasma display according to claim 1, wherein
  - the transparent resin contains a coloring agent for color tone adjustment.
3. The anti-reflection film for a plasma display according to claim 1, further comprising:
  - an adhesive layer that is laminated to the unwanted light shielding layer.
4. An anti-reflection film for a plasma display, comprising:
  - a transparent substrate film,
  - an anti-reflection layer provided on one surface of the transparent substrate film, and
  - an unwanted light shielding layer provided on the other surface of the transparent substrate film,
    - the unwanted light shielding layer comprising:
      - a near infrared rays absorbing layer containing a transparent resin and a near infrared rays absorbing agent that absorbs near infrared rays, contained in the transparent resin, and
      - a specific-wavelength-light absorbing layer laminated to the near infrared rays absorbing layer on the side opposite to the

transparent substrate film, containing an adhesive and a coloring agent for color tone correction that absorbs light with specific wavelengths originating from the emission spectrum of an insert gas of a plasma display, contained in the adhesive.

5. The anti-reflection film for a plasma display according to claim 4, wherein

the adhesive contains a coloring agent for color tone adjustment.

6. An anti-reflection film for a plasma display, comprising:  
a transparent substrate film,  
an anti-reflection layer provided on one surface of the transparent substrate film, and

an unwanted light shielding layer provided on the other surface of the transparent substrate film,

the unwanted light shielding layer comprising:

a near infrared rays reflecting layer made of a metallic film that reflects near infrared rays, and

a specific-wavelength-light absorbing layer laminated to the near infrared rays reflecting layer on the side opposite to the transparent substrate film, containing an adhesive and a coloring agent for color tone correction that absorbs light with specific wavelengths originating from the emission spectrum of an insert gas of a plasma display, contained in the adhesive.

7. The anti-reflection film for a plasma display according to claim 6, wherein

the adhesive contains a coloring agent for color tone adjustment.

8. An anti-reflection film for a plasma display, comprising:  
a transparent substrate film,  
an anti-reflection layer provided on one surface of the transparent substrate film, and

an unwanted light shielding layer provided on the other surface of the transparent substrate film,

the unwanted light shielding layer containing an adhesive and a

coloring agent for color tone correction that absorbs light with specific wavelengths originating from the emission spectrum of an insert gas of a plasma display and/or a near infrared rays absorbing agent that absorbs near infrared rays, contained in the adhesive.

9. The anti-reflection film for a plasma display according to claim 8, wherein

the pressure-sensitive adhesive contains a coloring agent for color tone adjustment.

10. An anti-reflection film for a plasma display, comprising:  
a transparent substrate film,  
an anti-reflection layer provided on one surface of the transparent substrate film, and  
an unwanted light shielding layer provided on the other surface of the transparent substrate film,

the unwanted light shielding layer comprising:

a specific-wavelength-light absorbing layer containing a transparent resin and a coloring agent for color tone correction that absorbs light with specific wavelengths originating from the emission spectrum of an insert gas of a plasma display, contained in the transparent resin, and

a near infrared rays absorbing layer laminated to the specific-wavelength-light absorbing layer on the side opposite to the transparent substrate film, containing an adhesive and a near infrared rays absorbing agent that absorbs near infrared rays, contained in the pressure-sensitive adhesive.

11. The anti-reflection film for a plasma display according to claim 10, wherein

the transparent resin contains a coloring agent for color tone adjustment.

12. The anti-reflection film for a plasma display according to any of claims 1 to 11, wherein

at least one layer selected from the transparent substrate film

and the layers provided on the transparent substrate film on the side opposite to the unwanted light shielding layer contains an ultraviolet light absorber.